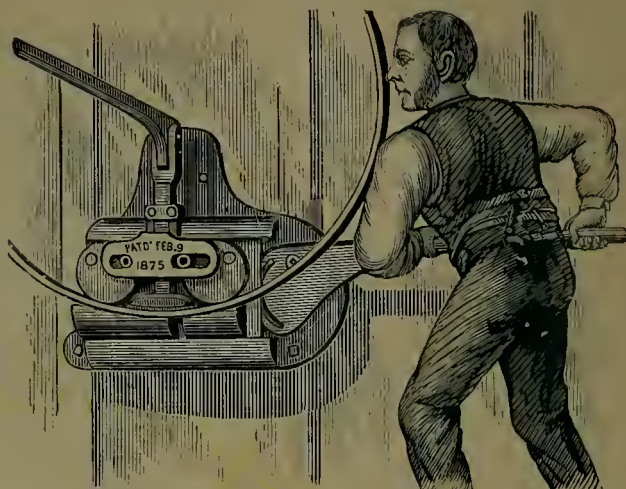
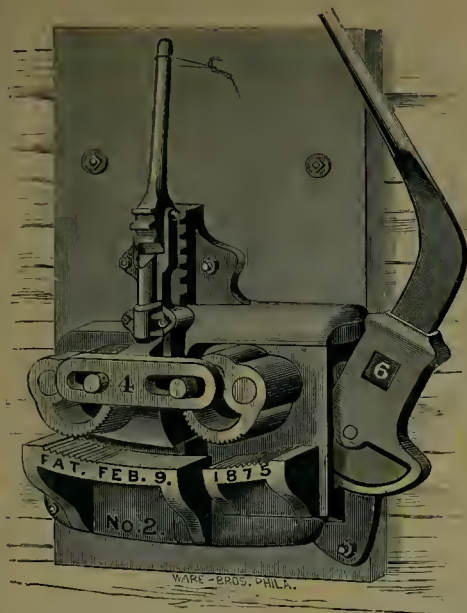


## "Stoddard's" Lightning Tire Upsetter.



Made of the Best Material and Designed for Hard Work. The Notched Eccentrics are Chilled. All Machines Tested.

Blacksmiths will find this Machine far Superior to all others.

### DIRECTIONS FOR USING UPSETTER.

The above cut shows the position of Upsetter when set up for use. It should be bolted upright to a 2-inch plank, so that the opening comes about 20 inches from the floor. The boss on the back of Upsetter should be let into the plank or post, so that it fits solid on the facings.

A bar of round iron, 1 inch in diameter by  $2\frac{1}{2}$  feet long, must be welded to the wrought iron stub furnished with machine (straight from the bend), making the whole length of the bar not less than 4 feet, so that when in place it will stand in the position represented in the above cut. (For 4-inch Upsetter a bar of round iron,  $1\frac{1}{4} \times 3\frac{1}{2}$  feet long, should be used.)

The small lever should be fastened up (by hook in plank), leaving the eccentrics raised and ready for use, as shown in cut: heat the tire to a soft heat, place the hot part under the clamp in the opening to prevent tire from kinking. Bring down the small lever in front, so that the eccentrics are pressed firmly to the tire; let go small lever and bring down long lever, and upset to amount required. Then raise long lever first to loosen tire.

There are four loose pieces—comprising a set (2) of thick and a set (2) of thin, furnished with each No. 3 Special Machine.

The loose pieces are used in upsetting tires or axles less than 1 inch thick.

In upsetting tires from  $\frac{1}{8}$  to 1 inch thick, use the set of thick pieces.

The thin pieces are for use in upsetting heavy 3-foot tires only.

Always see that your tire sets back *solid* against the back plate of the machine, and if the tire should be worn thin on one edge, as is often the case, *be sure* and put the thin edge against the back of the Upsetter.

### Read the Following Remarks:

FIRST.—This is a machine and should never be struck with a hammer; make tire welding hot, and then you can do the work without the aid of a hammer.

SECOND.—Keep scales, chips and pieces of iron from between fixed and movable jaws, and observe that the opening in lower part of Upsetter is kept open and clear, as this is made to allow the scale, etc., to drop out.

THIRD.—Never set up the Upsetter horizontally, but always perpendicularly on a plank. We give this *caution* because we *always* find that broken machines are the result of one or the other of the above troubles.

N. B.—In case of breakage or otherwise, be sure to order, by giving the *number* of the Upsetter or machine, and number on the part wanted (which will be found in a conspicuous place on the different parts).

No. 1.	Will shrink iron $\frac{1}{4}$ by 2 inch wide	Price, \$25 00
No. 2.	Will shrink iron $\frac{1}{4}$ inch thick by 4 inch wide	" 30 00
No. 3.	Is a "Special" 4-inch Tire and Axle Upsetter combined, will shrink 2 by 4 inch, or 2 inch square, IT CAN BE ADJUSTED to UPSET 3 AND 4-FOOT TIRES, having two sets of loose jaws furnished with each machine; and by removing the loose jaws, will upset axles from 1 to $1\frac{1}{4}$ inches, combining two machines in one.	" 35 00
No. 4.	Special Size, upsets iron $\frac{1}{4}$ by 6 inch wide	" 50 00